



**Converts all Kind of Plastic Waste
to Fuel Oil / Electricity**

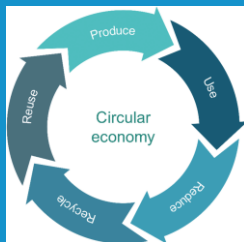
About PYROGREEN

Pyrogreen Energy Private Limited started in the year 2011 is an SPV formed by SAMKITEC Resources for developing Plastic Pyrolysis Technology.

This state of art Technology has emerged after extensive R&D w.r.t to Environment friendly plastic pyrolysis process, emission controls, ash recovery, quality of oil, safety measurements, and healthy working atmosphere.

This PATENTED Technology will dispose / clean the non-recyclable plastics such as MLPs, all composite plastics, packaging materials, adhesive tapes, plastic carpets etc, and convert them into Fuel oil or electricity, which otherwise goes to Landfill or being burnt unscientifically.

Technology



Pyrolysis Technology is to convert waste Plastics into oil by heating at high temperature in the absence of oxygen. Special Catalyst converts all kind of plastics into hydrocarbons. No toxic emissions from the process. Mixed Plastics with moisture (which cannot be recycled and goes to landfill) can be converted.



Plastic waste segregated from Municipal waste, Thermocole, FRP, multilayer packaging film, stickers, adhesive tapes, contaminated bags, carpet waste etc can be easily processed.



Pyrolysis also enables recycling of plastic laminates, co-extrusions and multilayer packaging films, particularly those with aluminum foil layers or metallized polymers that are difficult to recycle using traditional reprocessing technologies such as “Mechanical recycling.”

12+ Years of Experience in Pyrolysis



Why PYROGREEN

- Unique Catalyst - makes it possible to process all kinds of Mixed Plastics.
- Can process PVC in any form without emitting dioxins or furans.
- Most Economical and Affordable technology
- International Standards and Quality
- Safety Features conforming to International Norms
- Emission level as per the EU requirement
- Oil is of Euro IV Grade Quality

Any difficult to Recycle Materials can be processed

- Carpet Waste which consists of both bitumen and PVC as base
- Thermocole (EPS) & PUF (Poly Urethane Foam) which is voluminous in waste stream
- FRP which has glass fiber and cannot be recycled by any other recycling methods
- Plastics film less than 20 micron thickness which is difficult to recycle
- Multilayer Films, Stickers Labels, Adhesive Tapes or Torn Plastics, Oven Sacks, Carry Bags etc .
- Composite barrier films such as PET +PE, Nylon +PE, PE+PP+PE etc

GREEN BENEFITS

Alternative Fuel

Eligible for Carbon Credits

Cleaning of Plastics from the Environment

Reduction of CO2 emissions

We offer 5 TPD to 20 TPD Plants



REFERENCE PLANTS & TYPES

